



Climatic Bulletin

July 2013

 **Max
temperature**

 **Min
temperature**

 **Mean
temperature**

 **Precipitation**

 **Sunshine
duration**



July had the characteristics of a typical month of Greek summer. Specifically it means hot and dry weather over most parts, local thunderstorms over mainland, normal temperatures and etesians (Northern winds) over Aegean sea.



**ΕΘΝΙΚΗ
ΜΕΤΕΩΡΟΛΟΓΙΚΗ
ΥΠΗΡΕΣΙΑ**

HELLENIC NATIONAL METEOROLOGICAL SERVICE



Temperature

First Decameron

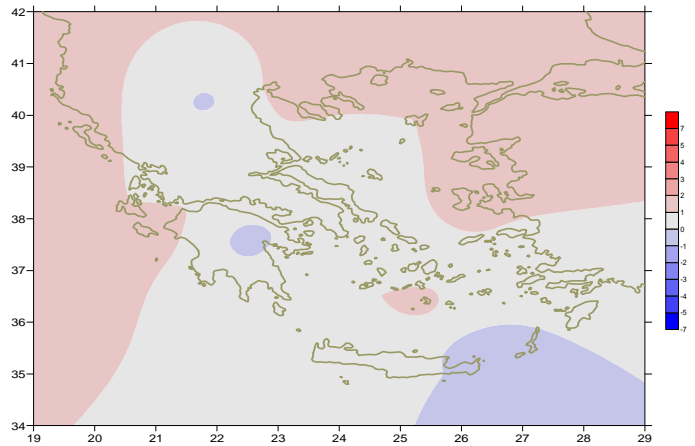
Minimum: variation of values:
 over north mainland from 7°C to 20°C .
 over central mainland from 12°C to 21°C .
 over rest parts from 15°C to 23°C .
Maximum: variation of values:
 over north mainland from 25°C to 34°C .
 over central mainland from 26°C to 33°C .
 over rest parts from 27°C to 33°C .

Second Decameron

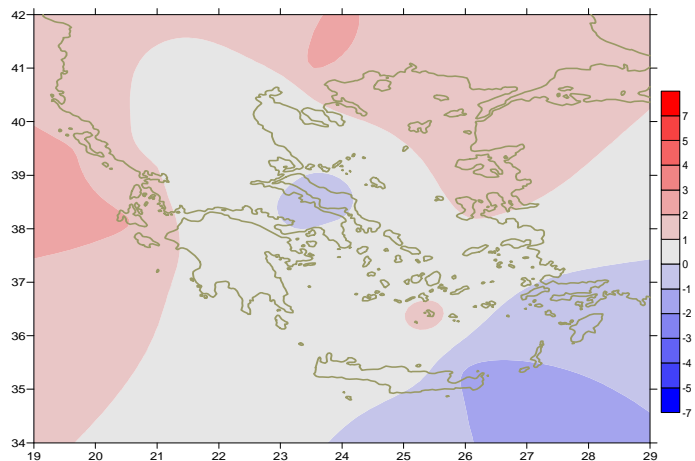
Minimum: variation of values:
 over north mainland from 13°C to 20°C .
 over central mainland from 15°C to 21°C .
 over rest parts from 16°C to 24°C .
Maximum: variation of values:
 over north mainland from 26°C to 34°C .
 over central mainland from 27°C to 35°C .
 over rest parts from 28°C to 36°C

Third Decameron

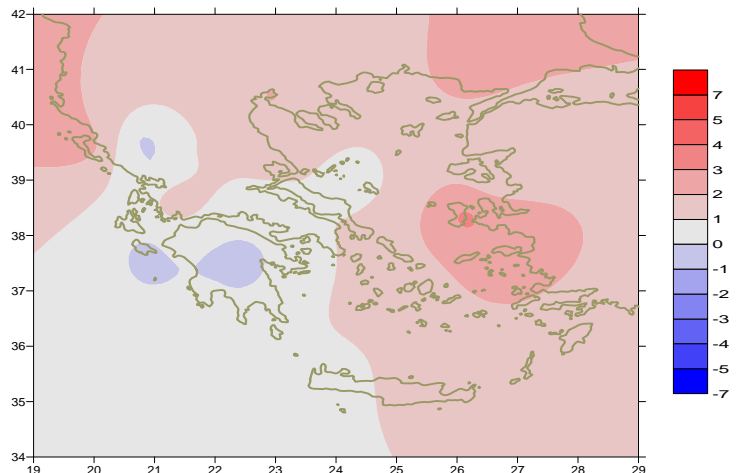
Minimum: variation of values:
 over north mainland from 12°C to 22°C .
 over central mainland from 16°C to 26°C .
 over rest parts from 20°C to 25°C .
Maximum:
 variation of values:
 over north mainland from 27°C to 37°C .
 over central mainland from 29°C to 37°C .
 over rest parts from 30°C to 39°C .



Deviation of mean temperature from normal values



Deviation of maximum temperature from normal values



Deviation of minimum temperature from normal values



P r e c i p i t a t i o n

First Decameron

Significant precipitation amounts locally over central and northern mainland.

More specific:

*8mm in Thessaloniki at 6/7,
10mm in Serres, 14mm in Kastoria at 8/7,
12mm in Konitsa at 9/7.*

Second Decameron

Significant precipitation amounts locally over mainland.

More specific:

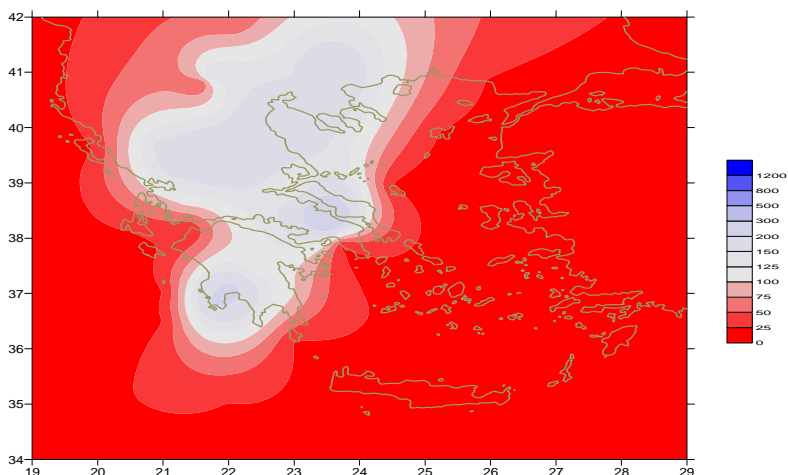
*16mm in Larisa, 41mm in Skiathos, 20mm in Limnos,
8mm in Kalamata at 17/7.*

Third Decameron

Significant precipitation amounts mainly over eastern mainland.

More specific:

*18mm in Kozani, 17mm in Skiathos,
14mm in Aghialos and 11mm in Limnos at 22/7.*



*Deviation of monthly precipitation
height from normal values (%)*

STATION	Longitude	Latitude	Tmean	TX	TN	RR	INST
SERRES	23,53	41,07	27,4	34,1	19,4	50	273
FLORINA	21,40	40,78					
KASTORIA	21,27	40,45	23,8	29,5	15,6	38	292
TRIKALA_IMATHIAS	22,55	40,60					
THESSALONIKI	22,97	40,52	27,7	31,7	20,5	45	343
CHRYSOUPOLI	24,62	40,92	26,6	30,3	19,8	18	350
ALEXANDROUPOLI	25,95	40,85	27,5	31,5	19,7	0	374
KOZANI	21,83	40,28	23,8	29,9	16,9	38	
KERKYRA	19,92	39,62	28,3	32,8	20,7	0	373
IOANNINA	20,82	39,70	25,2	31,7	14,6	9	301
PREVEZA	20,76	38,91	26,3	30,5	20,8	0	
TRIKALA_THESSALIAS	21,77	39,52					
LARISA	22,45	39,65	27,9	33,1	18,7	28	342
LIMNOS	25,23	39,92	26,5	30,2	21	0	389
ARTA	21,00	39,17					
AGHIALOS	22,78	39,21	27,6	31,6	19,6	19	349
MYTILINI	26,60	39,05	27,8	31,8	22,9	0	419
VELO	22,77	37,97					
AGRINIO	21,35	38,60	27,6	34	19	19	374
LAMIA	22,43	38,87					
ANDRAVIDA	21,28	37,92	26,4	30,3	18,5	0	392
SKYROS	24,48	38,96	25,8	27,9	22,2	0	355
ARGOSTOLI	20,50	38,12	26,5	30,7	21	0	401
ARAXOS	21,42	38,15	27,7	32	19,3	0	368
TANAGRA	23,57	38,33	27,6	31,2	19	22	390
HIOS	26,13	38,35	27,9	31,1	24,1	0	380
PYRGOS	21,42	37,67					
TRIPOLI	22,40	37,52	24,2	30,7	13,7	12	212
TATOI	23,78	38,10	27,3	30,9	20,5	0	
HELLINIKO	23,73	37,90					
ELEYSINA	23,55	38,07	29,5	33,2	22,9	0	
ZAKYNTHOS	20,88	37,75	28,2	32,1	20,2	0	412
SAMOS	26,92	37,68	29,2	32,9	24,8	0	
ARGOS	22,75	37,63					
KALAMATA	22,02	37,07	27	31,9	18,3	8	357
NAXOS	25,37	37,10	25,2	26,8	23	0	405
METHONI	21,70	36,82					
MHLOS	24,43	36,73					
SPATA	23,95	37,95	28,2	31,2	21,5	0	
KOS	27,08	36,80	26,3	29,8	22,8	0	
KYTHIRA	22,98	36,15					
SANTORINI	25,41	36,41	26,7	29,8	23,3	0	382
SOUDA	24,12	35,55	26,9	30,6	21,3	0	390
RODOS	28,08	36,40	27,3	30	23,7	0	383
MYKONOS	25,35	37,43	25,3	27,3	22,9	0	
HERAKLEIO	25,18	35,33	26,5	28,8	23	0	390
IERAPETRA	25,73	35,02					
SITEIA	26,10	35,21	25,2	27,1	23,5	0	310
RETHYMNO	24,50	35,36					
TYMPAKI	24,76	35,06					
KASTEI	25,33	35,18	24,2	27,9	20,7	0	361
KARPATHOS	27,15	35,42	25,6	28,1	23,5	0	
PAROS	25,13	37,02					
SYROS	24,95	37,42	26,6	28,9	23,4	0	396
IKARIA	26,35	37,68	24,1	24,9	22,6	0	

TABLE OF DEVIATIONS
FROM NORMAL VALUES

STATION	TMEAN (deviation) (I)	PRECI (deviation %) (II)
SERRES	1.3	160
FLORINA		
THESSALONIKI	1.2	176
ALEXANDROUPOLI	1.9	1
KOZANI	-0.2	98
KERKYRA	1.9	0
IOANNINA	0.4	32
LARISA	0.8	138
LIMNOS	1	0
AGHIALOS	0.9	107
MYTILINI	1.4	1
AGRINIO	0.6	87
SKYROS	0.5	0
ARGOSTOLI	1	0
ARAXOS	1.1	0
HIOS	1.5	0
HELLINIKO		
ZAKYNTHOS	1.5	0
SAMOS	0.8	0
KALAMATA	0.5	229
NAXOS	0.5	0
METHONI		
SANTORINI	1.3	0
SOUDA	0.5	0
RODOS	0.4	0
HERAKLIO	0.4	0
SITIA	-0.8	0

(I) deviation of mean temperature from normal values
(II) deviation of monthly precipitation height from normal values %.

Climatic Bulletin

General Description

Precipitation amounts were higher than normal values locally over Thessaly, Eastern Sterea, Evia, Central Macedonia, Ipirus and Arcadia (Peloponnese). Over most of rest parts the precipitation height was zero.
The mean temperature varied higher than normal values with exception of southeastern Aegean.

Climatic Parameters :

- ❖ **Normal Values** : normal values for various parameters (temperature, precipitation, etc) are defined as mean values calculated for 30 years. These normal values are used as basis and represent the mean situation. They can be specified in 10 daily, monthly, seasonally and yearly level and are used for the trend comparison of 10 days, month, season or year as: rainy decameron, mild winter, cool August etc.

Measurement :

- ❖ **Precipitation**
1 mm = 1 litre/m²

Table Legend :

Tmean : Mean Temperature
TN : Minimum Temperature
TX : Maximum Temperature
RR : Precipitation height(mm)
INST : Sun Duration (hours)

UTC hours (Universal Time Coordinates) in Greece :

- ❖ Winter : UTC hour = local hour - 2
- ❖ Summer : UTC hour = local hour - 3

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